

5) **Pandanus duriocarpoides** KANEH. in Bot. Mag. Tokyo **49** (1935) 525, f. 37 et Enum. Micr. Pl. (1935) 260. (Fig. 6)

Syncarp subglobose, 18 cm in diam., composed of about 90 phalanges which are so closely arranged that it is impossible to distinguish the individual phalanges from the outside. The phalanges are polygonal in cross section, their sides deeply sulcate, the locules subequal, pyramidal, about 10 mm long, irregularly arranged. The endocarp is situated in the median part of the phalange and slightly protrudes at the margin. This resembles *Pandanus duriocarpus* MARTELLI in appearance but its syncarp and phalanges are much larger and locules are in small number. The type was from Yap. It is also known from Tokobe Island, Palau.

ヤツプ島トミル村ノ産、ヤツプ支廳ノ採集ニカカル、パラオ、トコベ島ニモ産スルガ如シ。

Syncarp ハ單一懸垂シ殆ド圓形、徑 18 cm, phalange ハ凡 90, 長倒卵形、長サ 7 cm, 徑 8~5 cm, 上部 1/3 ハ分離シぷりすむ狀ヲナス、上部ハ截形、基部ハ長キ漸尖、胞室ハ 5~7, 普通 5 又ハ 6 殆ド等シ、不規則排列、びらみつど狀、高サ 10 mm = 至リ基部ニ於テ徑 1.5 cm. 胞間ノ溝ハ深ク、柱頭ハ大、馬蹄形内果皮ハ骨質、中央ニ位置シ縁疊上向ス、下部ハ截形、上部中果皮ハ分室、多孔質、外縁ノモノ紡錘形、長サ 2.2 cm = 至ル。

本種ノ phalange ハ互ニ相密接シ外觀上各個體ヲ區別スルコト能ハズ一見 *Pandanus duriocarpoides* Martelli ニ似タルモ本種ノ Syncarp ト Phalange トハ著大且ツ胞室ノ數ガ少キニヨリ區別ガ出來ル。

## Observationes ad Plantas Asiæ Orientalis (XII)\*

auctore

Hiroshi HARA

原 寛：東亞植物考(其十二)

74) **Aconitum** (*Cammarum*) **tonense** NAKAI, sp. nov.

\* Contribution from the Laboratory of Systematic Botany (Prof. T. NAKAI) of the Botanical Institute, Faculty of Science, Tokyo Imperial University.

Radix ignota. Caulis ca. 1 m. altus apice flexuosus glaberrimus. Folia inferiora longius petiolata; laminae foliorum inferiorum 7-, medianorum 5-, superiorum 3-fidæ, lobis subrhomboideis basi late cuneatis apice acutissimis grosse dentatis, dentibus ovatis breviter mucronato-acuminatis, membranaceæ supra ad venas marginemque puberulæ subtus glaberrimæ vel ad venas pareissime puberulæ. Inflorescentiæ axillares vel terminales 1-3-floræ glaberrimæ. Pedicelli elongati 2-5 cm longi glaberrimi infra medium bibractegolati. Flores pallide violascentes. Cassis 24-26 mm. alta glabra fronte sinuata et rostrum triangularem 8-9 mm. longum producta. Sepala lateralialia 13-17 mm. longa 17-19 mm. lata extus ad marginem puberula intus parce et longe hispido-hirsuta; inferiora inæqualia 15-17 mm. longa 3.5-8 mm. lata intus pubescentia. Petala 22-26 mm. longa apice in nectaria revoluta sensim transeunt, labio ca. 5 mm. longo apice dilatato et emarginato. Filamenta basi dilatata fere edentata glabra. Carpella 3 dense albo-pubescentia.

Nom. Jap. *Jôshû-torikabuto* (NAKAI).

Hab. Honshu: prov. Kodzuke: Shirô-tôge, Tone-gun (SADAJIRO SUZUKI-Aug. 27, 1935—typus).

Planta endemica.

This species is nearest to *Aconitum sanyoense* NAKAI, but has densely haired ovaries.

75) **Scutellaria** (*Stachymacris*) **brachyspica** NAKAI et HARA, sp. nov.

Syn. *Scutellaria indica* L. var. *brachyspica* NAKAI, in sched. Herb. Univ. Imp. Tokyo.

Rhizoma perenne repens: Caulis erectus simplex 10-50 cm. altus quadrangularis pilis retrorso-curvatis dense obtectus viridis basi interdum purpurascens, internodiis elongatis. Folia inferiora minora ovato-cordata, mediana et superiora deltoideo-ovata—ovata 1.5-5 cm. longa 1-4 cm. lata apice obtusa basi truncata vel subcordata margine grosse crenata, crenis rotundatis, utrinque pilis subpatentibus dense vel parce obteeta, supra viridia vel lutescenti-viridia minutissime elevato-punctulata leviter impresso-venosa, infra dilute viridia minutissime glandulosa; petioli 2-20 mm. longi pilis retrorso-curvatis vel subpatentibus dense obtecti. Racemus abbreviatus 0.5-3 (-5) cm.

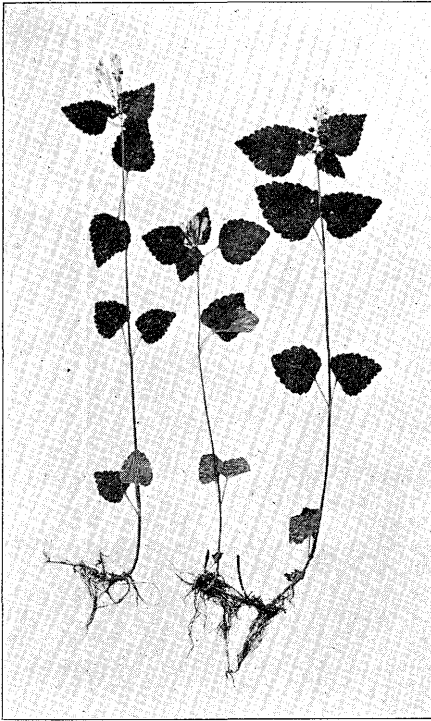


Fig. 37. *Scutellaria brachyspica* NAKAI  
et HARA をかたつなみさう

patentia ca. 8 mm lata 4 mm. longa labio superiore subaequilonga brevissime 3-lobata apice leviter emarginata albida margine violascentia medio violaceo-punctulata. Semina ca. 1.5 mm. longa ubique tuberculata.

Nom. Jap. *Oka-tatsunamisô* (nov.)

Hab. Honshu : prov. Shimotsuke : in monte Amemaki-yama, Hôga-gun (H. SEKIMOTO, no. 70—Maj. 24, 1936). prov. Musashi : Hannô (T. NAKAI—Jun. 7, 1931—typus)—ibid. (K. HISAUCHI)—ibid. (S. HATTORI—Maj. 14, 1922)—Ômiya-hachiman, Tokyo (leg. ?—Maj. 18, 1879)—Shiroyama, Moto-hachiôji (T. SATÔ—Jun. 21, 1936). prov. Awa : in monte Kiyozumi (leg. ?—Jun. 12, 1882). prov. Sagami : Kamakura (Y. MOMIYAMA—Maj. 26, 1935 & Jun. 2, 1936)—Hayama (HARA—Maj. 30, 1931). prov. Iga : in oppido Higashitsuge-mura, Ayama-gun (T. KURÔKAWA). prov. Kawachi : in monte Kongô-san (S. SAKAGUCHI, no.

longus densiflorus ; rachis pilis sub-patentibus partim glandulosis dense obtecta. Bractæ præter infimas foliaceas parvæ ovatæ subintegre breviter petiolatæ. Pedicelli breves 2–4 mm. longi dense pubescentes apice nutantes. Calyces parvi 1.5–2 mm. longi lutescenti-virides pilis patentibus vulgo glandulosis obteeti brevissime bilabiati ; squamæ amplæ ascendentes 2–2.5 mm. longi ac lati in fructu 5–7 mm. longi. Corollæ 15–25 mm. longæ extus pubescentes pilis partim glandulosis ; tubi basi argute curvati et subgibbosi, tum erecti, vel reflexo-erecti apice inflati et curvati ca. 4.5 mm. crassi, dorso violascentes ventre albi ; labia superiora triloba violascentia, lobo medio galeato apice emarginato, labia inferiora

10-Jun. 22, 1930).

Shikoku : prov. Sanuki : in oppido Ônude-mura, Shôdo-gun, (R. HIRAMA-Aug. 15, 1912). prov. Awa : in oppido Mishima-mura, Mima-gun (J. NIKAI-Maj. 18, 1904).

This species differs from the polymorphic *Scutellaria indica* L. by having recurved hairs on stems, abbreviate racemes with fewer flowers, and larger appendages of calyces. The southern specimens are more densely pubescent than the northern ones.

76) **Scutellaria** (*Stachymacris*) **kiusiana** HARA, sp. nov.

Syn. *Scutellaria japonica* (non BURMANN 1768) MORREN et DECAISNE in Ann. Sci. Nat. ser. 2, II, p. 315 (1834).

Rhizoma perenne repens. Caulis erectus (5-) 10-40 cm. altus quadrangularis praesertim ad angulos antrorso-pubescentis basi purpurascens, internodiis elongatis. Folia inferiora parva ovato-deltoidea subtus saepe purpurascencia, mediana oblongo-ovata vel deltoideo-ovata vel late ovata (1-) 2-4.5 cm. longa (8-) 10-30 mm. lata apice obtusa basi subtruncata vel leviter cordata vel late cuneata margine grosse crenata, dentibus rotundatis, supra intense viridia secus venas saepe dilutiora pilis subpatentibus longiusculis obtecta, venis mediis et lateralibus leviter impressis, subtus dilute viridia pilosa, superiora ovato-oblonga dentibus obtusis; petioli 0.5-3 cm. longi antrorsum pubescentes. Racemi 1-5 cm. longi subaxiflori, rachis secus costas antrorso-pubescentis. Bractea inferiores foliaceae pauci-dentatae sur-



Fig. 38. *Scutellaria kiusiana* HARA  
つくしたつなみさう

sum gradatim diminuatæ superiores oblongæ integræ breviter petiolatæ. Pedicelli breves 1-3 mm. longi dense pubescentes. Calyces campanulati 2-3 mm. longi partim glanduloso-pilosi brevissime bi-labiati apice sæpe purpurascens in fructu 4 (-5) mm. longi, squamis parvis 1.5-2 mm. longis sæpe purpurascens in fructu accrescentibus 4-5 mm. longis. Corollæ 13-23 mm. longæ extus minute pubescentes; tubi basi curvati subgibbosi tum suberecti albidi dorso violascentes; labia superiora violacea trifida, lobo medio apice

emarginato, labia inferiora 5-8 mm. lata 3-4 mm. longa superiore subæquilonga apice leviter emarginata ad marginem violascentia medio albida violaceo-punctulata vel epunctata. Semina ca 1.5 longa ubique tuberculata.

Nom. Jap. *Tsukushi-tatsunamisô* (nov).

Hab. Honshu: prov. Suwô: Hikami in oppido Ôuchimura (J. NIKAI-Maj. 28, 1892).

Kyushu: prov. Tsushima: Idzuhara (K. HIRATA, no. 237-Maj. 11, 1901)—ibid. (K. NAKASHIMA-Maj. 26, 1935). prov. Chikuzen: Hirawo, Fukuoka (K. NAKASHIMA, no. 35-Apr. 29, 1935—typus)—Hiwiga, Fukuoka (K. NAKASHIMA-Maj. 31, 1933). prov.

Chikugo: in monte Kora-san (S. SAITO-Maj. 20, 1929). prov. Buzen: in monte Hiko-san (HAMADA, no. 141-Jan. 1904). prov. Bungo: in monte Sobo-san (K. NAKASHIMA-Jul. 23, 1934). prov. Hizen: in monte Unzen (F. C. GREATERX-Jun. 1930 & 1935)—ibid. (H.

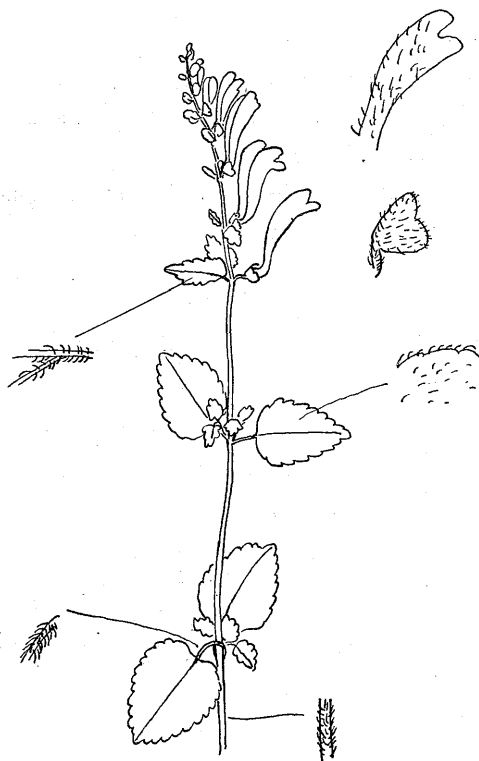


Fig. 39. *Scutellaria japonica* MORR. et DECNE. sketched from the type specimen (SIEBOLD, no. 304) by Professor T. NAKAI.

HARA-Maj. 28, 1935)—in monte Inasa-yama (S. SAITO-Jul. 21, 1925). prov. Higo : Kawamura (K. MAYEBARA-Maj. 30, 1926)—in monte Kunimi-dake, Ashikita-gun (H. Kaneda, no. 59-Maj. 31, 1936).

f. *albiflora* HARA, f. nov.

Flores albi.

Nom. Jap. *Shirobana-tsukushi-tatsunami* (nov.).

Hab. Kyushu : prov. Chikuzen: Hirawo, Fukuoka (K. NAKASHIMA; no. 16-Maj. 22, 1933—typus).

var. *discolor* HARA, var. nov.

Folia supra intense viridia subtus intense purpurea.

Nom. Jap. *Urabeni-tsukushi-tatsunami* (nov.).

Hab. Honshu : prov. Nagato : Doigatake in oppido Ayagi-mura, Minegun (T. NAKAI—typus).

Kyushu : prov. Tsushima : in urbe Idzuhara-machi (K. NAKASHIMA-Maj. 26, 1935). prov. Chikuzen : in monte Fukuchiyama, Kurate-gun (K. NAKASHIMA-Maj. 21, 1933).

This species is near to *S. transitra* MAKINO. The typical form of the latter which I wish to define here, however, has upwards curved hairs on stems, hairy triangular-ovate or broad-ovate leaves with subacute serration, lower foliaceous bracts which gradually pass into small upper ones, and glandular-



Fig. 40. *Scutellaria transitra* MAKINO

やまたつなみさう

haired corollas whose upper lips are short, nearly half of lower lips. It distributes widely from Shikoku, Tsushima and Korea to the northern Honshu and Yezo, while *S. kiusiana* is limited in the western Honshu and Kyushu. *S. Fauriei* LÉV. et VNT. of Quelpært seems to be a dwarf form of *S. transita*.

*S. kiusiana* also differs from *S. late-violacea* KOIDZUMI of the Kwantô district by having taller stems with longer internodes, elongated upper leaves, etc.

77) **Scutellaria** (*Stachymacris*) **Maekawae** HARA, sp. nov.

Syn. *Scutellaria indica* L. var. *intemedia* NAKAI, in sched. Herb. Univ. Imp. Tokyo., pro parte.

Caulis cum spico 7-20. cm altus acute quadrangularis ad costas retrorso-

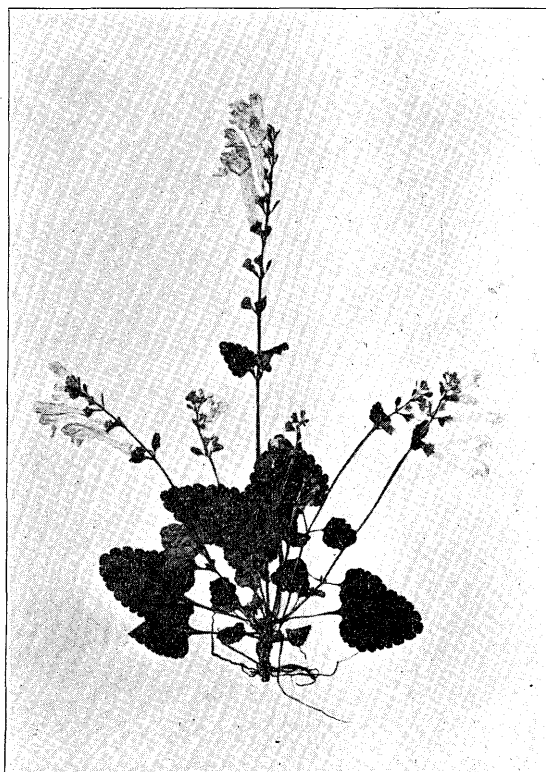


Fig. 41. *Scutellaria Maekawae* HARA  
ほながたつなみさう

pubescens basi vulgo purpurascens interdum ramosis, internodiis inferioribus vulgo abbreviatis mediis et superioribus elongatis, ita folia inferiora primo aspectu subrosulata. Folia infima parva; inferiora ovata—cordato-ovata apice rotundata basi cordata grosse crenata 1-3 cm. longa 1.5-2.5 cm. lata supra intense viridia ad marginem parce pilosa, venis leviter impressis, infra pallide viridia vel purpurascens ad nervos pilosa, petiolis 1.5-2.5 cm. longis retrorso-pubescentibus; superiora parva ovata ca. 1 cm. longa. Racemi 2-8 cm. longi densiusculi;

rachis retrorso-pubescent. Pedicelli breves pilosi. Bractea parva infima usque ad 1 cm. longæ, inferiores ovatae pauci-crenatae brevi-petiolatae, superiores integræ. Calyces ca. 2.5 mm. longi glandulosopilosi vel pilosi; squamæ ca. 1.5 mm. longæ subreflexæ in fructu acrescentes 5 cm. longæ. Flores pulchri. Corollæ 20–22 mm. longæ extus minute pubescentes interdum partim glanduloso-pilosæ; tubi basi curvati tum suberecti basi albi ad apicem inflati violascentes; labia superiora late violacea triloba, lobo mediano apice emarginato; labia inferiora 7–9 mm. lata ca. 4 mm. longa superiore subæquilonga apice subtruncata violacea in parte media alba et violaceo-punctulata. Semina 1.5 mm. longa ubique tuberculata.

Nom. Jap. *Honaga-tatsunamisô* (nov.).

Hab. Honshu: prov. Kii: in valle Ôkawachi-dani, Funatsu-mura, Kitamuro-gun (in Tokyo culta) (F. MAEKAWA-Maj. 28, 1936—typus). prov. Ise: in monte Kamagatake (S. SAITÔ-Jul. 11, 1928). prov. Ômi: in monte Hiei (legit. ?-Maj. 1897).

var. **pubescens** HARA, var. nov.

Caulis densius retrorso-pubescent. Folia utrinque pubescentia, petiolis densius retrorso-pubescentibus.

Nom. Jap. *Shimaji-tatsunamisô* (nov.).

Hab. Honshu: prov. Ise: in monte Asamayama (T. NAKAI-Jun. 1928—typus)—in terra sancta Naigû (M. HONDA-Aug. 1927).

This species is closely allied to *Scutellaria late-violacea* KOIDZUMI of the Kwantô district, but in the latter the stems are densely haired antrorsely being mixed with patent long hairs, the lower internodes not abbreviated and the upper leaves much larger.

I have named this species in honour of Mr. FUMIO MAEKAWA who collected the type specimen and married on the very day when I described it.

78) **Scutellaria** (*Stachymacris*) **Muramatsui** HARA, sp. nov.

Syn. *Scutellaria indica* L. var. *japonica* (non FR. et SAV.) KAWAKAMI in Bot. Mag. Tokyo X, p. 11 (1896) quoad pl. ex Kinbôyama.

Caulis basi ascendens suberectus 10–30 cm. altus ubique minutissime retrorso-pubescentis basi purpurascens. Folia inferiora parva late ovata vel cordato-



ovata pauci-crenata basi subtruncata vel subcuneata, superiora majora ovata—deltoideo-ovata obtusa basi rotundata vel late cuneata grosse depresso-crenata 2–3.5 cm. longa 1–2.5 cm. lata, omnia supra viridia sparse pilosella, infra dilute viridia minutissime glandulosa ad nervos minute pilosa, petiolis 1–15 mm. longis minute retrorso-pubescentibus. Racemi (1–) 3–5 cm. longi; rachis patente partim glanduloso-pubescentibus. Bractea parva ovata integra subpetiolata, infimae interdum foliaceae et crenatae. Pedicelli breves pubescentes. Calyces 1.5–2 mm. longi

pubescentes virides, in fructu 3 mm. longi, squamis suberectis 1.5–2 mm. longis, in fructu accrescentibus ca. 4 mm. longis. Corollae 15–18 mm. longae extus pubescentes; tubi basi curvati subgibbosi albi tum erecti superiore inflati et curvati; limbi violacei, labia superiora triloba, lobo mediano apice emarginato, labia inferiora patentia superioribus subaequilonga. Semina (immatura) ubique tuberculata.

Nom. Jap. *Dewano-tatsunamisô* (nov.).

Hab. Honshu: prov. Ugo: in urbe Akita (H. MURAMATSU-Maj. 15, 1933—typus)—ad pedem montis Motoyama, Oga (H. MURAMATSU-Jun. 18, 1933). prov. Uzen: in monte Kinbô-yama (S. ISHIZUKA, no. 178-Jul. 10, 18 ??). prov. Kaga: in monte Iwô-zan (K. Matsumoto-Oct. 11, 1936).

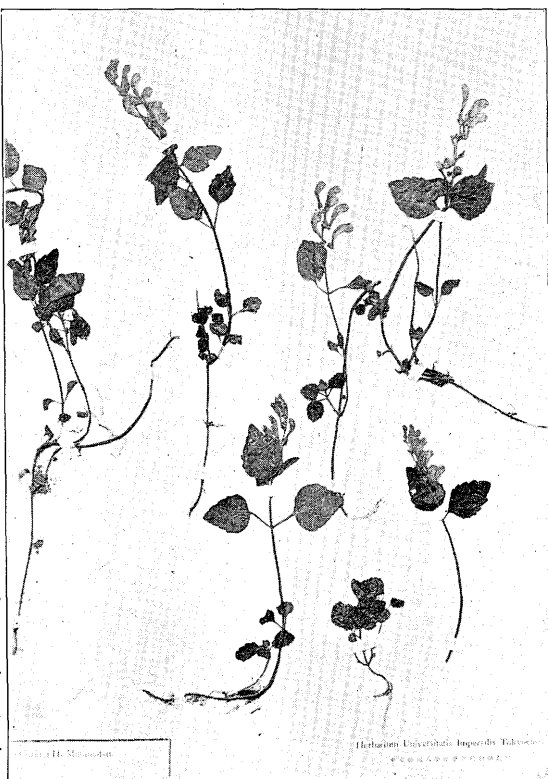


Fig. 42. *Scutellaria Muramatsui* HARA  
ではのたつなみさう

This species is characterized in having very short recurved hairs on stems and petioles, and leaves with flat crenation and rounded or subtruncate base.

74) 上州とりかぶと (中井教授新稱) 上野、利根郡、四郎峠デ鈴木貞次郎氏ガ採集シタモノデ、さんようぶしニ最モ近イガ、子房ニハ白短毛ガ密生シテキル。葉ハ淺ク切れ、花梗ハ細長ク無毛、花ハ色淡ク、花絲ハ無毛デアル。

**Aconitum tonense** NAKAI トイフ。

75) をかたつなみさう (新稱) 一見たつなみさうニ似テキルガ、花穂ハ常ニ短ク、花數モ少ク、萼ノ附屬片ハ大キク、莖ノ毛ハ下ヘ向イテキルノデ判然ト區別デキル。本州中南部 (下野・常陸・武藏・安房・相模・伊賀・河内等)、四國 (讃岐・阿波) ニ互ツテ廣ク分布シ、學名ヲ **Scutellaria brachyspica** NAKAI et HARA トイフ。南方ノモノハ北ノモノヨリモガ多イ様デアル。

76) つくしたつなみさう (新稱) やまたつなみさうニ近ク、全體ニ毛茸ヲ有シ、九州ニ最モ普通デ本州西部ニ迄達シテキル。やまたつなみさう (*Scutellaria transitra* MAKINO) ノ原記載ニハ毛ノ少イ形モ含マレテキルガ、莖ニハ上向セル毛ガアリ、有毛ノ三角狀卵形又ハ廣卵形ノ稍銳鋸齒アル葉ヲ有シ、苞ハ葉狀デ漸次上方ノ小形ノモノニ移リ行キ、小腺毛アル花冠ヲ持チ、ソノ上唇ハ短ク下唇ノ約半長デアル形ヲ基本形トスル。コノ形ハ南ハ四國・對馬カラ本州北部・北海道・朝鮮ニ迄及ンデキル、つくしたつなみさうノ葉ハ殊ニ上方ノモノハ長味ヲ帶ビ、鋸齒ハ常ニ圓ク、毛ハ生時目立タズ、花冠ハ細毛ヲ布キ、上唇ハ下唇ト略同長デアル。學名ヲ **Scutellaria kiusiana** HARA トスル。*Scutellaria japonica* MORREN et DECAISNE (1834) ハ中井先生ノ御好意ニヨリ基準標本ノスケツチ (Fig. 39) ヲ見セテ戴イタガ、葉ガ多少短イ本種ノ一形デハナイカト思ハレル。併シ古イ同名 *S. japonica* BURMANN (1768) ガアルノデ用ヒル事ハデキナイ。本種ニハ白花品モ發見サレ、又葉ノ裏面ガ著シク紫色ヲ呈スル形モ見出サレル。前者ヲしろばなつくしたつなみ (f. *albiflora* HARA) トイヒ、後者ヲうらべにつくしたつなみ (var. *discolor* HARA) ト呼ブ。

77) ほながたつなみさう (新稱) しそばたつなみさうニ近似ノモノデアルガ、莖ノ下部節間ハ短縮シ比較的大キイ葉ヲ着ケ往々ロセツト狀ヲナシ、上部ノ節間ハ長ク、葉ハ小形トナリ、長イ花穂ヲダシ、莖ニハ逆毛ヲ有スル點デ異ツテキル。紀州、北牟婁郡、船津村、大河内谷デ前川文夫氏ガ採集、東京ニテ今春開花セルモノヲ基本トシテ、丁度同氏ノ結婚ノ日ニ記載シタノデ、紀念トシテ **Scu-**

**tellaria Maekawæ** HARA ト命名スル。伊勢・近江等ニ分布シ、伊勢朝熊山・内宮神域ニハ全體ニ毛ノ多イ形しまぢたつなみさう (var. **pubescens** HARA) ヲ産スル。

78) **ではのたつなみさう** (新稱) 葉ハ卵形デ基部圓脚又ハ稍截脚ヲナシ低平ナ鋸齒ヲ有シ、莖ニハ短イ逆毛ヲ密生シテキル點デ近似ノ他種ト區別サレル。羽後、秋田市及ビ男鹿、元山麓デ村松七郎氏ガ採集シタモノデ、學名ヲ **Scutellaria Muramatsui** HARA トスル。羽前、金峰山・加賀、醫王山ニモ産スル。

尙たつなみさう類ノ材料蒐集ニ多大ノ御援助ヲ賜ツタ久内清孝、靱山泰一、佐藤達夫、前川文夫、中島一男ノ諸氏ニ對シ改メテ深甚ノ謝意ヲ表シマス。

## 地衣類雜記 (其八)

朝比奈泰彦

Yasuhiko ASAHINA: Lichenologische Notizen (VIII).

### 20. *Cladonia alpicola* (Fw.) WAIN. (Fig. 1)

Sensui-Pass (ca 2300 m.), Prov. Kai (Hondo), leg. H. KOIZUMI, Jul. 27. 1921.

Mt. Asibetu, Prov. Isikari (Hokkaidô) (1726 m.); leg. Y. ASAHINA, Jul. 25. 1935.

Mt. Kaminotake (上ノ嶽), Prov. Ettyû (Hondo) (ca 2300 m.), leg. Y. ASAHINA, Jul. 24. 1936.

Mt. Yakusidake, Prov. Ettyû (Hondo) (ca 2900 m.), leg. ASAHINA, Jul. 25. 1936.

Mt. Sirouma-Ôike (白馬大池), Prov. Sinano (Hondo) (ca 2380 m.), leg. Y. ASAHINA, Aug. 22. 1936.

*Cladonia alpicola* ハ歐洲及亞米利加ノ高山ニ産スル壯麗ナ地衣デ吾國ニ産スルコトハ未ダ記録サレテ居ナイ、嘗テ小泉秀雄氏ノ標本ヲ見テ居ル内ニ同氏ガ大正十年甲州仙水峠デ採集サレタモノデ番號 72407 トアルモノハ正ニ此種デ然モ高サ 8 cm. ニ達スル程ノ逸物デアル。次ニ予ハ昨年昭和十年夏石狩芦別岳ノ頂上デ初メテ貧弱ナル標本ヲ採リ聊カ満足シタガ本年ハ北アルプス上ノ嶽ト藥